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TSUNEOKA OSAMU(54) MONITORING METHOD FOR DETERIORATION
OF SENSITIVITY OF ACCELERATION SENSOR

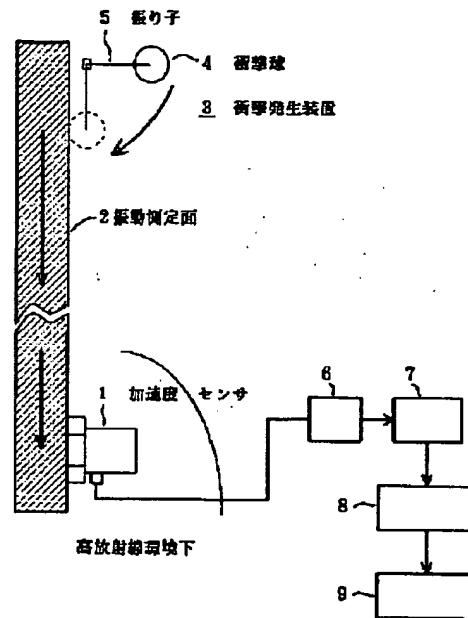
acceleration sensor. Accordingly, the deterioration of the sensitivity of the acceleration sensor is evaluated.

(57) Abstract:

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PURPOSE: To obtain a monitoring method of the sensitivity deterioration of an acceleration sensor which reduces costs for calibration and confirmation of functions and also reduces the amount of radiation dose of a worker.

CONSTITUTION: For the monitoring method, an acceleration sensor 1 set at a measuring surface 2 where the vibration is to be measured, means 3 for applying shocks to the measuring surface 2, a recording means 7 for recording/preserving the output signal or frequency response data obtained when the shock signal transmitted through the measuring surface 2 is detected by the acceleration sensor 1, a frequency analyzing means 8 for analyzing the frequency of the preserved data, and a comparing/evaluating means 9 for comparing/evaluating the frequency spectrum or power and a transmission function of the preserved data. The frequency spectrum or power and the transmission function before and after driving of the acceleration sensor among the data preserved when the shock signal generated from the shock applying means 3 before and after driving of the acceleration sensor is detected by the acceleration sensor are compared with preset threshold values, etc., allowing the deterioration of the sensitivity of the



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